



# भारत का राजपत्र

## The Gazette of India

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नई दिल्ली, शनिवार, जून 23, 1990, (आषाढ़ 2, 1912)  
NEW DELHI, SATURDAY, JUNE 23, 1990 (ASADHA 2, 1912)

इस भाग में मिन्न पृष्ठ संख्या की जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

#### पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS  
Calcutta, the 23rd June, 1990

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Telegraphic Address "PATENTOFIS".

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Calcutta-700 020.

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पेटेंट कार्यालय

एकत्र तथा समिक्षक

कलकत्ता, दिनांक 23 जून, 1990

पेटेंट कार्यालय के कार्यालयों के पास एवं बोग्याधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थानित है तथा बास्तव, वित्ती एवं महासू में इसके शास्त्र कार्यालय है, जिनके ग्रावेशिक बोग्याधिकार जॉन के लाभार पर निम्न रूप में प्रवर्णित हैं :—

पेटेंट कार्यालय शास्त्र,

टॉडी इस्टेट,

टीसरा रुल, लोकर परेक (पश्चिम),

बास्तव-400 013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य बोग्य एवं संघ शासित बोग्य गोवा, इमन तथा विष एवं दादरा और नागर इवेली ।

तार पता—“पेटेंटफिल्स” ।

पेटेंट कार्यालय शास्त्र,

एक कंसू 401 से 405, टीसरा रुल,

नगरपालिका लालार भवन,

सरस्वती मार्ग, लोकर लाला,

बास्तव-110 005 ।

इरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य बोग्यों एवं संघ शासित बोग्य चंडीगढ़ तथा वित्ती ।

तार पता—“पेटेंटोफिल्स”

पेटेंट कार्यालय शास्त्र,

61, वाराणसी रोड,

मध्याच-600 002 ।

आंध्र प्रदेश, कर्नाटक, केरल, उमितनाहु राज्य बोग्य एवं संघ शासित बोग्य पांडिचेरी, लक्ष्मीप, मिनिकॉर्ट तथा एमिनिविधि द्वीप ।

तार पता—“पेटेंटफिल्स” ।

पेटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, दिलीप बहुतलीय कार्यालय भवन,

5, 6 तथा 7वीं ताल,

234/4, लालार्य जगदीश बोस रोड,

कलकत्ता-700 020 ।

भारत का अवशेष बोग्य ।

तार पता—“पेटेंटस” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अप्रैलियर समीक्षा विवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अवाएगी या सो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को सुगतान योग्य अनावेश अथवा छाक अवेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैक से नियंत्रक को सुगतान योग्य बैक छाप्ट अथवा बैक छारा की जा सकती है ।

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

The 11th May, 1990

379/Cal/90 Krupp Industrietechnik Gesellschaft Mit Beschränkter Hartung. Deployable Bridge.

380/Cal/90 Hoechst Aktiengesellschaft. Water-soluble fibre-reactive dyes. Process for their preparation, and their use.

381/Cal/90 Hoechst Celanese Corporation. Catalyst system and process for preparing polyethylene terephthalate.

382/Cal/90 Ewald Pickhard. Injection Syringes.

The 14th May, 1990

383/Cl/90 E.I. Du Pont de Nemours and Company. Laminar articles made from mixtures of a Polyolefin and ethylene vinyl alcohol copolymers.

384/Cal/90 Critikon, Inc. Catheter with backflow restriction.

385/Cal/90 Westinghouse electric corporation. Improvements in or relating to slag processing system for direct coal fired gas turbines.

The 15th May, 1990

386/Cal/90 Alcatel Dial face S.P.A. Piezoceramic Transducer for telephone instruments.

387/Cal/90 Kluber lubrication GmbH. Lubricating Grease Compound.

388/Cal/90 United States Gypsum Company. Composite Material and Method of Producing Same.

389/Cal/90 Grenville James David Thomas. Mobile Drilling Rig.

390/Cal/90 Keystone International Holdings Corp. Pressure Reducing and Conditioning Valve.

391/Cal/90 Franz Plasser Bahnbaumaschinen Industriegesellschaft M.B.H. Continuously advancing track tamping machine comprising a flough arrangement.

392/Cal/90 Siemens A.G. Contact Pieces for Vacuum Switchgear. [Divisional date 30th Jan. 1987].

The 16th May, 1990

393/Cal/90 Keystone International Holdings Corp. Throttling valve.

394/Cal/90 Siemens Aktiengesellschaft. Process for producing a carbon contact material for vacuum contactors and also associated contact material.

395/Cal/90 Siemens Aktiengesellschaft. Process for producing carbon contact pieces for vacuum switches and also associated contact pieces.

396/Cal/90 Engelhard Corporation. Large-pored molecular sieves with charged octahedral titanium and charged tetrahedral aluminum sites.

397/Cal/90 Keystone International Holdings Corp. Conditioning valve.

398/Cal/90 Richard Arthur Halavais. A system for ascertaining the location of an energy radiating source. (Divisional date May 08, 1987).

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III RD FLOOR, KAROL BAGH, NEW DELHI-5**

The 2nd April, 1990

329/Del/90 Steel Authority of India Ltd. "An improved method of producing hot metal casting".

330/Del/90 Apple Computer, Inc. "Video display apparatus". [Divisional date 6th April, 1987].

331/Del/90 Basf Lacke + Farben Aktiengesellschaft. "Liquid, radiation, curable coating composition for the coating of glass surfaces".

332/Del/90 S.K. Chawla. "An improved pendulum to generate output".

The 4th April, 1990

333/Del/90 UOP. "Hydrocarbon dehydrogenation catalyst".

334/Del/90 The Procter & Gamble Co. "Treatment of fabric with perfume/cyclodextrin complexes".

335/Del/90 The Procter & Gamble Co. "Solid consumer product compositions containing small particle cyclodextrin complexes".

336/Del/90 Exxon Chemical Patents, Inc. "Catalyst recovery in the production of alcohols". (Convention date 4th April, 1989) (U.K.).

337/Del/90 Piaggio & C.S.p.A. "Braking system for two-wheelers". [26th May, 1987].

338/Del/90 BP Chemicals Ltd. "Process for preparing carboxylic acids". (Convention date 6th April, 1989) (U.K.).

339/Del/90 Eastman Kodak Co. "Fibers capable of spontaneously transporting fluids".

The 5th April, 1990

340/Del/90 Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "2-substituted N, N-dimethoxybenzoyl piperazines, a preparation process of the same and therapeutic compositions containing them". (Convention date 15th April, 1989) (U.K.).

341/Del/90 F.R.P. Ltd. "Improvements relating to building and shoring blocks". (Convention date 7th April, 1989, 7th October, 1989, 24th October, 1989 & 20th January, 1990) (U.K.).

342/Del/90 Santa Barbara Research Center. "Portable radiometric data acquisition system".

343/Del/90 The Gillette Co. "Shaving systems". (Convention date 13th April, 1989) (U.K.).

The 6th April, 1990

344/Del/90 Agustin Arana Erana. "Improvement in air impact sand box moulding machines".

345/Del/90 The Procter & Gamble Co. "Hard surface cleaning compositions". (Convention date 21st April, 1989) (U.K.).

346/Del/90 Hans Kumar Singh. "A bio gas plant".

347/Del/90 W.R. Grace & Co-Conn. "A process for the treatment of glyceride oils for the removal therefrom of contaminants such as phospholipids and/or chlorophyll or for bleaching, deodorising and/or recolourising said glyceride oils". [Divisional date 13th May, 1988].

The 6th April, 1990

348/Del/90 Kennametal Inc. "Collet Tool".

349/Del/90 BP Chemicals Ltd. "Flame retardant polymer compositions". (Convention date 21st April, 1989 & 16th December, 1989) (U.K.).

350/Del/90 Domino Printing Sciences PLC. "Ink jet nozzle/valve, pen and printer". (Convention date 17th, 18th April, 1989) (U.K.).

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III RD FLOOR, KAROL BAGH, NEW DELHI-5**

The 9th April, 1990

351/Del/90 DCM Ltd. "An improved process for preparation of cellulose sponge".

352/Del/90 Ceracon Inc. "Consolidation of powder aluminium and aluminium alloys".

353/Del/90 Pfizer Inc. "Antiparasitic formulations". (Convention date 11th April, 1989) (U.K.).

354/Del/90 Jacques Saury. "Brushing device, particularly for teeth, for single use, disposable after use".

The 10th April, 1990

355/Del/90 BP Chemicals Ltd. "Process for preparing carboxylic acids".

356/Del/90 Mezhotraslevoi Vnedrenchevsky Tsentr. "IMPULS", "Method for acceleration of liquid and bulk materials and apparatus for realization thereof".

357/Del/90 Goro S.A., "Stapling apparatus for fixing junction staples on the end of a conveyor belt or the like".

The 17th April, 1990

358/Del/90 Cotton Incorporated, "Apparatus and method for removing a fiber fraction from seed cotton".

374/Del/90 UOP, "Process and adsorbent for separating CO<sub>2</sub> from a mixture thereof with hydrocarbon".

359/Del/90 Imperial Chemical Industries PLC, "Process for the production of a slurry by replacing the liquid component of an initial slurry by a desired or second liquid". (Convention date 9th April, 1986 and 12th August, 1986) (U.K.) & [Divisional date 2nd April, 1987].

375/Del/90 Alsthom, "A system for providing assistance in assembly operations with self checking". [Divisional date 2nd March, 1987].

The 11th April, 1990

376/Del/90 Edgar Georg, "Trash collection vehicle".

360/Del/90 Salah Barbary, "Products for cultivating plants on any type of soil and manufacturing process therefor".

377/Del/90 Procedes Petroliers Et Petrochimiques, "A method of decoking an installation for steam-cracking hydrocarbons, and a corresponding steam-cracking installation".

361/Del/90 GEC Alsthom S.A., "A medium tension gas blast circuit breaker".

378/Del/90 Laboratorios Del Dr. Esteve S.A., "Substituted azetidinylisothiazolopyridone derivatives, their preparation and their application as medicinal products".

362/Del/90 John Crane UK Ltd, "Mechanical face seals". (Convention date 24th April, 1989) (U.K.).

379/Del/90 Riker Laboratories, Inc, "Formulation".

363/Del/90 Thomas George Elliott, and others, "Curable plastic sheet material".

380/Del/90 Allen-Bradley Co, Inc, "Electric motor speed control apparatus and method".

364/Del/90 National Research Development Corporation, "Command-curable composition". (Convention date 27th April, 1989) (U.K.).

381/Del/90 Aerospatiale Societe Nationale Industrielle & Institut Francais Du Petrole, "Tube of composite material with a fibrous thermoplastic coating and process for manufacturing such a tube".

The 12th April, 1990

The 18th April, 1990

365/Del/90 Mezhotraslevoi Vnedrenchesky Tsentr "IMPULS" Method for removing deposits from surfaces of thin-walled structures and a device for effecting same".

382/Del/90 Yash Pal Gupta & Renu Hundal, "Process for the preparation of N, N'-Diarylureas".

366/Del/90 Motorola Inc, "Digital radio communication system and two-way radio".

383/Del/90 Veitscher Magnesitwerke-Aktion-Gesellschaft, "Finely powdery magnesium hydroxide and a process for preparing thereof".

367/Del/90 Chemical Research & Licensing Co, "Method for the preparation of methyl tertiary butyl ether".

384/Del/90 A. Nattermann & Cie. GMBH, "Method for the preparation of water containing formulations with phospholipids".

368/Del/90 Motorola Inc, "Acknowledge back paging system having the capability of matching variable length data messages to page addresses".

385/Del/90 Kraft General Foods, Inc, "Stomach friendly coffee".

369/Del/90 Albright & Wilson Ltd, "Deactivation of phosphonium biocides". (Convention date 14th April, 1989) (U.K.).

386/Del/90 Leggett & Platt Incorporated, "Spring bedding product".

The 16th April, 1990

The 19th April, 1990

370/Del/90 Bakhtawaral Sood, "Magnet light".

387/Del/90 Dewan Kraft Systems Pvt. Ltd, "A clarifier for treatment of influent".

371/Del/90 Orbital Engine Co. Pty. Ltd, "Improvements relating to direct fuel injection systems for internal combustion engines". (Convention date 20th April, 1989) (Australia).

388/Del/90 Cameron A. Burns and Terry A. Burns, "Protective sleeve for hypodermic needle".

372/Del/90 Northern Engineering Industries PLC, "Housings with safety pressure relief means thereon". (Convention date 8th May, 1989) (U.K.).

389/Del/90 Solvay & Cie, "Process for the polymerization of alphaolefins in the presence of a catalytic system". [Divisional date 18th September, 1987].

The 17th April, 1990

The 20th April, 1990

373/Del/90 Fosroc International Ltd, "A method of manufacturing self setting cement composition". (Convention date 10th April, 1986) (U.K.) & [Divisional date 31st March, 1987].

390/Del/90 Motorola Inc, "Communication system".

374/Del/90 A.G. (Patents) Ltd, "Manufacturing infusion packages". (Convention date 28th April, 1989) (U.K.).

392/Del/90 UOP Inc, "Process for maximum middle distillate production with minimum hydrogen consumption". [Divisional date 13th April, 1987].

The 23rd April, 1990

393/Del/90 Harish C. Sood, "A new concept for ejectors".

394/Del/90 The Procter & Gamble Co., "Agglomerated peroxyacid bleach granule and process for making same"

The 24th April, 1990

395/Del/90 Sultan Singh Jain, "Phase cum neutral tester".

396/Del/90 Yash Pal Gupta, "Process for the preparation of cerbamic acid aryl esters".

397/Del/90 Chander Mohan Dutta, "A grease lubricator".

398/Del/90 Motorola Inc, "Receiver with variable predetection bandwidth based on expected data rate".

399/Del/90 Stanislas Glomski & Patrick Roseberry, "Heat exchanger wall assembly".

400/Del/90 Nissel Asb Machine Co. Ltd, "Preform carrying apparatus".

401/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of quinidine from quinine".

402/Del/90 Council of Scientific & Industrial Research, "An improved process for the manufacture of diphenoxquinones—important antioxidants and chain terminators".

403/Del/90 Council of Scientific & Industrial Research, "An improved process for the manufacture of 2-arylalkenoic acids".

The 25th April, 1990

404/Del/90 Imperial Chemical Industries PLC, "Copolymer production". (Convention date 2nd May, 1989 & 4th October, 1989) (U.K.).

405/Del/90 De Beers Industrial Diamond Division (Proprietary) Ltd, "Dense media".

406/Del/90 Wool Research Organisation of New Zealand Inc, "Improvements to ring spinning machines".

407/Del/90 Motorola Inc, "Rapid receiver signal strength indication".

408/Del/90 Javed Hasan Khan, "A multifilament electric lamp/bulb".

409/Del/90 Hans Karlsson, "A device for converting linear reciprocating motion to rotary motion".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, III RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 20th April, 1990

83/Bom/90 Hindustan Lever Limited, Ester Preparation.

84/Bom/90 Unity-Igh Metals Technologies Ltd. An improved process for producing liquid steel and an apparatus for metallurgical post treatment thereof.

The 23rd April, 1990

85/Bom/90 Vrajlal Gordhandas Kukadia, Improved flour mill.

86/Bom/90 The vacuum Forming Company, Process for vacuum forming of plastic articles.

The 24th April, 1990

87/Bom/90 Hindustan Lever Limited, 25-4-89 Great Britain, Hair treatment composition.

88/Bom/90 Hindustan Lever Limited, 25-4-89 Great Britain, Process of preparing a tea product.

89/Bom/90 Hemant Krishnarao Sohoni & Mrs. Smita Sudhir Shiralkar, A stand or platform capable of changing width and length.

The 25th April, 1990

90/Bom/90 Jagannath Chhatranath Sisodia, Automatic machine to manufacture "Metal Handles" of various shapes and sizes.

91/Bom/90 Hindustan Lever Limited, Compositions.

92/Bom/90 Hindustan Lever Limited, Treatment of Neem Oil.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 16th April, 1990

279/Mas/90 Dr. Jose Thaikattil, A cap.

280/Mas/90 Union Carbide Chemicals and Plastics Company Inc, Alkylene oxide catalysts having enhanced activity and/or stability.

281/Mas/90 Usinor Saclor (Societe Anonyme), Process for colouring the surface of metallic materials and products obtained by its use.

282/Mas/90 Shinjui Kogyo Kabushiki Kaisha, Treatment of hydrocarbon fuel.

The 17th April, 1990

283/Mas/90 A. Lakshminarayana, Cooking gas stove.

284/Mas/90 Lucas Industries Public Limited Company, Brake Actuator (No. 8909214.2; 22nd April, 1989) (United Kingdom).

285/Mas/90 Sarma Sundaram & Ceat Tyres of India Limited, An animal drawn vehicle.

286/Mas/90 Ramamoorthy Srinivasan, Add on-type key exchange box.

287/Mas/90 Ramamoorthy Srinivasan, Pin type interlock and key.

288/Mar/90 **Maschinenfabrik Rieter AG.** Packages conveying system.

289/Mar/90 **Maschinenfabrik Rieter AG.** A method for the optimisation of the processing of cotton in a spinning mill.

290/Mar/90 **Systel Development and Industries Ltd.** Inverter and power supply systems including same.

291/Mar/90 **Vanaja Ribbons & Allied Industries.** A bow pack ribbon.

292/Mar/90 **Franz Thyssen.** A device for generating elastic waves in a body and for seismic prospecting.

293/Mar/90 **Henkel Kommanditgesellschaft auf Aktien.** An adhesive stick having improved adhesive strength.

The 18th April, 1990

294/Mar/90 **The Dow Chemical Company and Denora Permelec SpA.** Electrode structure for an electrolytic cell.

295/Mar/90 **WU Sheng-Jung.** A digital mark-printer.

296/Mar/90 **Maschinenfabrik Rieter AG.** A cylinder roller for a textile machine with the cylinder roller having working points.

297/Mar/90 **BASF Aktiengesellschaft.** Preparation of crystalline hydroxylammonium sulfate having a low ammonium sulfate content.

The 19th April, 1990

298/Mar/90 **Putthenveetil Varkey George.** A speed reduction mechanism based on integrated planetary motion.

299/Mar/90 **Separation Dynamics Inc.** Portable water purification system.

300/Mar/90 **Separation Dynamics Inc.** Removal of trace contamination from water.

301/Mar/90 **Allen L. Cohen.** Small aperture multifocal.

302/Mar/90 **Warren T Finley.** Method and apparatus for inducing artificial oceanographic upwelling.

The 20th April, 1990

303/Mar/90 **Akebono Brake Industry Co., Ltd.** Hot press for heat forming a disc pad.

The 23rd April, 1990

304/Mar/90 **N. Thankaian.** Lever Driven Engine.

305/Mar/90 **Girivas Viswanath Shet.** Ashwagandha Ayurvedic milk chocolate bar.

306/Mar/90 **Ganapati Raju.** Artificial coconut water.

307/Mar/90 **B. Rengan.** Air blowing charcoal stove.

308/Mar/90 **Per-Ingvar Branemark.** Anchoring element for supporting a joint-mechanism of a finger or other reconstructed joint.

309/Mar/90 **Per-Ingvar Branemark.** Anchoring element for supporting a joint-mechanism of an ankle, hip or other reconstructed joint.

310/Mar/90 **Linde Aktiengesellschaft.** Heat exchanger.

311/Mar/90 **Pyroban Limited.** Heat exchanger.

The 24th April, 1990

312/Mar/90 **Indian Institute of Technology.** A thermomechanical process for the manufacture of laboratory made aluminium alloy equivalent to apnor 7020 in superplastic form.

313/Mar/90 **Indian Institute of Technology.** A process for the manufacture of aluminium alloy equivalent to afnor 7020.

314/Mar/90 **Akebono Brake Industry Co. Ltd.** Apparatus for blending friction material.

315/Mar/90 **Akebono Brake Industry Co. Ltd.** Apparatus for treating back plates for disc pads.

316/Mar/90 **Akebono Brake Industry Co. Ltd.** Apparatus for pre-forming friction material.

317/Mar/90 **Friedrich Grohe Armaturenfabrik GmbH + Co.** Valve closing bodies.

318/Mar/90 **Isaac Stanly.** An improved cylinder head for internal combustion engine.

319/Mar/90 **Enichem Anic Sp A.** Process for producing vanadium-arenes.

The 25th April, 1990

320/Mar/90 **Akebono Brake Industry Co. Ltd.** Supply device for supplying friction material to devolatizing device.

321/Mar/90 **Akebono Brake Industry Co. Ltd.** Jig for holding disc brake pads.

322/Mar/90 **Roe Leo Paper Chemicals Co. Ltd.** Paper sizing compositions (April 25, 1989) (Britain).

323/Mar/90 **Merlin Gerin.** Solid-state trip device for a protective circuit breaker of a three phase mains system, enabling the type of fault to be detected.

324/Mar/90 **BASF Aktiengesellschaft.** Self-bonding enamel solution for heat-resistant coatings.

325/Mar/90 **Glastech, Inc.** Photovoltaic Panel Support Assembly.

326/Mar/90 **Board of Regents of the University of Nebraska.** Autoantibodies which enhance the rate of a chemical reaction.

The 26th April, 1990

327/Mar/90 The Boots Company PLC. Therapeutic agent. (April 28, 1989). (Great Britain).

328/Mar/90 Caterpillar Inc., Smart Power Connector. (November 23, 1989). (Canada).

329/Mar/90 Shyam N Rao. A device for reducing and slowly stopping smoking completely.

## PATENT SEALED

162080	165223	165353	165375	165378	165381	165383
165395	165397	165419	165425	165426	165430	165434
165442	165455	165460	165465	165468	165469	165483
165489.						

CAL-16.  
DEL-1.  
MAS-2.  
BOM-3.

## RENEWAL FEES PAID

144426	144427	144428	144429	146480	147487	147869
147983	148289	149349	150031	151395	151420	151957
152038	152170	152342	152486	152705	152734	153197
153887	153961	154180	154213	154798	154810	154887
155267	155282	155451	156145	156496	156765	157298
157467	157594	157629	158109	158382	158705	159039
159051	159232	159328	159580	159737	160693	160715
161061	161834	161944	162514	162553	162593	162707
162905	163022	163200	163480	163487	163535	163596
163761	163795	163886	164212	164213	164322	164349
164364	164501	164650	164683	164788	164889	164892
164902	164904	164913	165022	165060	165143	165245
165290	165325	165335	165337	165340	165365	165447
165457.						

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 156736 dated the 20th October 1983 made by Suresh Devarao Koondaje on the 3rd July 1989 and notified in the Gazette of India, Part III, Section 2 dated the 20th January 1990 has been allowed and the said Patent restored.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents' Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुयान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्माण की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियन्त्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अधिकार पेटेंट नियम, 1972 के नियम 36 में व्यावधित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, मार्तिय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियां, मारत सरकार बुक डिपो, 8, किरण शक्ति राम रोड, कलकत्ता में विक्रय हेतु यथा-समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु० है। (यदि मारत के बाहर भेजे जाए तो अतिरिक्त ढाक रु०)। मुद्रित विनिर्देश की आपूर्ति हेतु मारत पत्र के साथ निम्नलिखित सूची में यथाप्रवर्तित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

इष्टकन (थित्र आरेखों) की फोटो प्रतियां, यदि कोई दो; के साथ विनिर्देशों की टैकित वायव्या फोटो प्रतियों की आवृत्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र-व्यवहार द्वारा मुनिशिवत करने के उपरांत उसकी अवायाती पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित थित्र आरेख कागजों को जोड़कर उसे 4 से गुण करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 181

166621

Int. Cl. : F 16 j 15/00.

## A CENTRIFUGAL SEALING MEMBER AND A CENTRIFUGAL SEAL ASSEMBLY.

Applicant: WARMAN INTERNATIONAL LIMITED, OF 4-8 MARDEN STREET, ARTARMON, NEW SOUTH WALES 2064, AUSTRALIA.

Inventors: (1) DENIS JAMES MARTIN, (2) ANTHONY GRZINA, (3) CHARLES HAROLD WARMAN, (4) PHILIP NEIL MITCHELL.

Application No. 957/Cal/1986 filed December 30, 1986.

Convention dated 9th January, 1986; No. PH 4152; Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 4 Claims

A centrifugal sealing member for preventing leakage between a rotating member and a stationary member with an outer cylindrical surface, said sealing member comprising an annular support member and an inner annular engaging member, said support member to be sealingly mounted on said rotating member, with said annular engaging member to sealingly engage around the said outer cylindrical surface of the stationary member when said rotating member slows below a critical rotational speed and disengage from around the said outer cylindrical surface when the rotating member rotates faster than the predetermined speed, to provide a running clearance between the centrifugal sealing member and the stationary member whereby the annular engaging member has its mass and its composite modulus of radial elasticity so proportioned that when said sealing member is mounted on the rotating member and the rotating member is rotated at any speed at or less than the critical rotation speed, the annular engaging member sealingly engages on the said outer cylindrical surface and when the rotating member is rotated above the critical speed, the said annular engaging member extends radially outwardly due to centrifugal force to provide a running clearance between the rotating centrifugal sealing member and the outer cylindrical surface of the stationary member; said sealing member comprising:

an outer annular support member of elastomeric material having a base and a top;

an inner annular elastomeric engaging member, extending from the or adjacent the base of the annular support member inwardly and back towards the top of the support member, said inner elastomeric engaging member being of tapered cross section, tapering towards its free end with its cross section at any point along its length being smaller than the cross section of the outer annular support member; and

a reinforcing ring completely imbedded in said outer annular support member; wherein said support member sealingly engages by means of its own resilience on said rotating member.

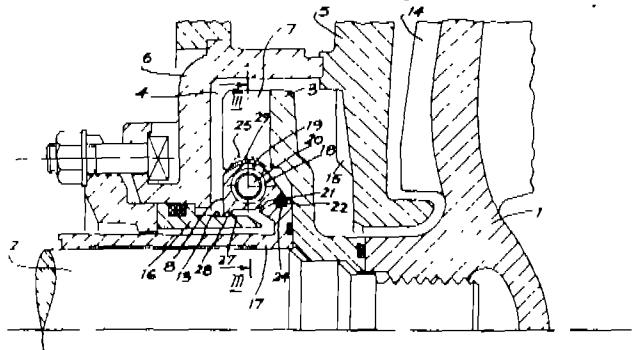


FIG. 2

Compl. specn. 15 pages

Draws. 3 sheets.

CLASS : 35-E

166622

Int. Class : C 04 b 33/32; 14/00.

## A METHOD FOR PRODUCING A SELF-SUPPORTING CERAMIC COMPOSITE BODY HAVING THEREIN AT LEAST ONE CAVITY.

Applicant: LANXIDE TECHNOLOGY COMPANY, LP, OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19711, U.S.A.

Inventors: (1) MARC STEVENS NEWKIRK, (2) ANDREW WILLARD URQUHART, (3) HAROLD DANIEL LESHER.

Application No. 68/Cal/87 filed January 22, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 39 Claims

A method for producing a self-supporting ceramic composite body having therein at least one cavity which inversely replicates the geometry of a mold of a shaped parent metal such as herein described, said composite body comprising (1) a ceramic matrix obtained by oxidation of molten parent metal to form a polycrystalline material comprising an oxidation reaction product of said parent metal with an oxidant such as herein described and (2) a conformable filler such as herein described embedded by said matrix, the method comprising the steps of:

(a) shaping a parent metal to provide a mold of shaped parent metal;

(b) embedding in a manner as herein described said mold of shaped parent metal within bed of said conformable filler, whereby the said mold defines a shaped cavity within the bed and inversely replicates therein the geometry of said mold of shaped parent metal, said filler being characterised by (1) being permeable to said oxidant under the process conditions defined in step (c) and being permeable to infiltration by the growth of the oxidation reaction product through said bed of conformable filler, (2) being capable of retaining sufficient further conformability to provide for accommodation of the melting-point volume change of said parent metal and different thermal expansion between said parent metal and said bed of conformable filler under the process conditions defined in step (c) and (3) at least in a support zone as herein defined thereof enveloping said mold of shaped parent metal, being intrinsically self-bonding as herein described, only at a temperature as defined in step (c);

(c) heating said embedded mold of shaped parent metal to a temperature ranging between the melting point of the parent metal and the melting point of said oxidation reaction product, e.g., ranging between 850°C and 1450°C for an aluminium parent metal, to form a body of molten parent metal and, at said temperature,

(1) reacting the molten parent metal in the presence of said oxidant by bringing the two in contact with each other to form said oxidation reaction product;

(2) maintaining by a method as herein described at least a portion of said oxidation reaction product contact with and between said body of molten parent metal and said oxidant, to progressively draw molten parent metal from said body of molten parent metal through the oxidation reaction product and into said bed of filler to concurrently form said cavity in said bed of filler as fresh oxidation reaction product continues to form at an interface between said oxidant and previously formed oxidation reaction product, and

(3) continuing said reaction at such temperature for a time sufficient to at least partially embed, e.g., from about 0.1 to about 5000 hours, or longer depending on the size of the self-supporting ceramic

composite body to be formed, said bed of conformable filler with said oxidation reaction product by growth of the oxidation reaction product to form said self-supporting composite body having said cavity therein.

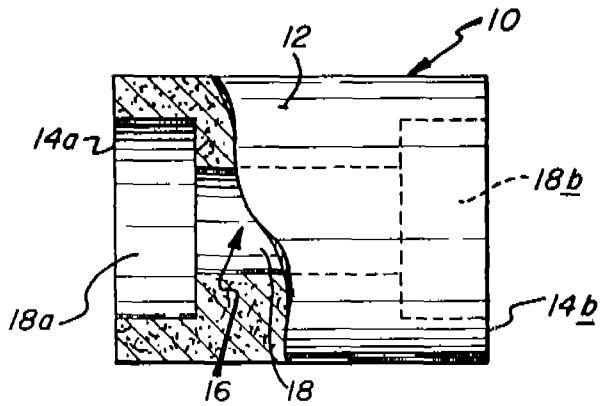


FIG. 3

Compl. specn. 41 pages

Digs. 2 sheets.

CLASS : 40-F

166623

Int. Cl. : B 01 j 1/00.

**A METHOD OF AND AN APPARATUS FOR PRODUCING TREATED POWER STATION RESIDUES, IN PARTICULAR FROM FILTER ASH, FOR CONVERSION INTO EASILY DISPOSABLE FORM.**

Applicant : (1) HUBERT EIRICH OF SANDWEG 16,6969 HARDHEIM, (2) PAUL EIRICH, OF BAHNIOFSTR. 11,6969 HARDHEIM, (3) WALTER EIRICH, OF SPESSARTWEG 16,6969 HARDHEIM. ALL ARE FEDERAL REPUBLIC OF GERMANY.

Inventor : XI HERBERT DURR.

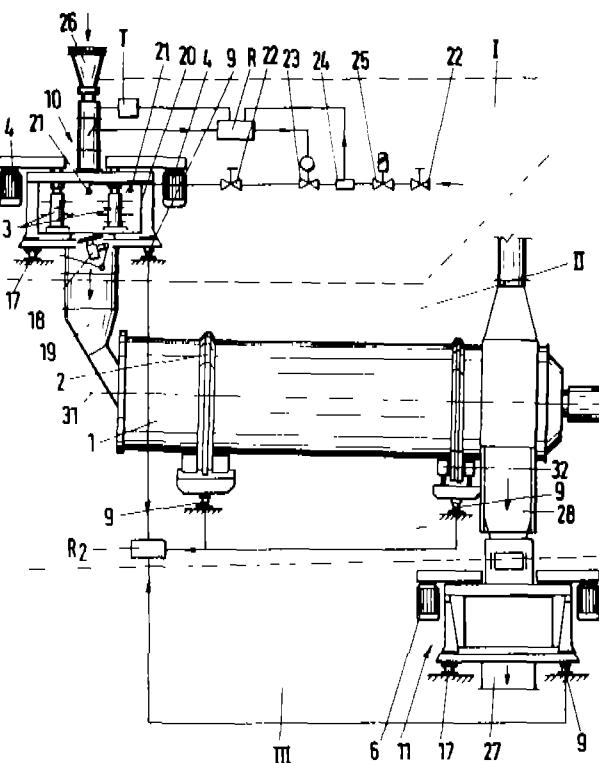
Application No. 105/Cal/1987 filed February 3, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

16 Claims

A method of producing disposable form of power station residues e.g. as agglomerates in particular from bulk filter ash which comprises, hydrating the bulk by the addition of moisture characterized in that the said bulk material is subjected to said hydration in a plurality of successive independent stages of progressive hydration using water so to effect predetermined degree of hydration of the bulk material at each stage and to obtain from the final stage required hydrated material, thereafter converting the hydrated material to the desired disposable form like agglomerates by compaction and depending on the values of moisture and/or temperature and/or chemical composition of the bulk material at least at the first stage of hydration and at the final stage of hydration, adjustment of extent of hydration is carried out at any desired stage so that the final material attains the predetermined degree of hydration.

FIG. 11



Compl. specn. 33 pages

Digs. 8 sheets.

CLASS : 6-B; 157-D

166624

Int. Class : E 01 b 3/00.

METAL RAIL SLEEPERS.

Applicant : BHP RAIL PRODUCTS PROPRIETARY LTD., OF 140 WILLIAM STREET, MELBOURNE, 3000 VICTORIA, AUSTRALIA.

Inventor : JAMES SKINNER.

Application No. 179/Cal/97 filed March 6, 1987.

Convention dated March 11, 1986; PH. 5000; AUSTRALIA.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A metal railway sleeper comprising a pair of side walls and an upper wall and which is of substantially inverted U shape in cross-section and which has closed ends, the upper wall being substantially horizontal and being bent upwardly and outwardly in rail seat regions nearer to the ends of the sleeper and adapted to engage rails and being bent downwardly from said regions towards the ends of said sleeper.

Compl. specn. 7 pages

Digs. 2 sheets.

CLASS : 40-E; 56-G

166625

Int. Class : B 01 d 13/00.

## PROCEDURE FOR CONCENTRATING AQUEOUS ALCOHOL SOLUTIONS BY PREVAPORATION.

Applicant: NESTE OY, OF KEILANIEMI, 02150 ESPOO, FINLAND.

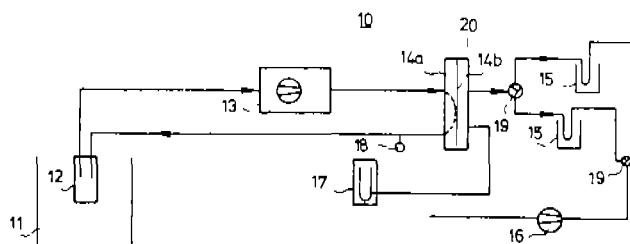
Inventors: (1) ANTERO AHVENA INEN, (2) JOHAN-FREDRIK SELIN, (3) KAARINA SAVOLA INEN, (4) JUKKA SEPPALA.

Application No. 352/Cal/1987 filed April 30, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for concentrating aqueous solutions of alcohols such as herein described with the aid of prevaporation technique, the process comprising conducting the alcohol solution onto one side of a semipermeable cellulose derivative membrane located in an enclosed space and removing from the other side of the membrane vaporizing permeate which has diffused through the membrane and which has changed as regards its alcohol concentration, characterized in that for cellulose derivative membrane is used a cellulose carbamate membrane.



Compl. Specn. 10 Pages

Drgs. 1 Sheet.

CLASS : 15-D

166626.

Int. Class : F 16 c 19/00.

## CENTRE-FREE LARGE ANTIFRICTION BEARING WITH INTEGRATED ELECTRICAL DIRECT DRIVE.

Applicant: HOESCH AKTIENGESELLSCHAFT, OF EBERHARDSTRASSE 12, 4600 DORTMUND 1, WEST GERMANY.

Inventor: JOHANNES BERTRAM.

Application No. 360/Cal/87 filed May 04, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Centre-free large antifriction bearing consisting of two bearing races comprising rolling bearing elements disposed between them and an integrated electrical direct drive in which the rolling bearing elements are disposed on one side of the direct drive, characterized in that the bearing races (1, 2) engage over each other at the side of the direct drive (7) opposite the rolling bearing element (3) and have a spacing (20) which is less than the gap (21) between the stator (8) and the rotor (9) of the electrical direct drive (7).

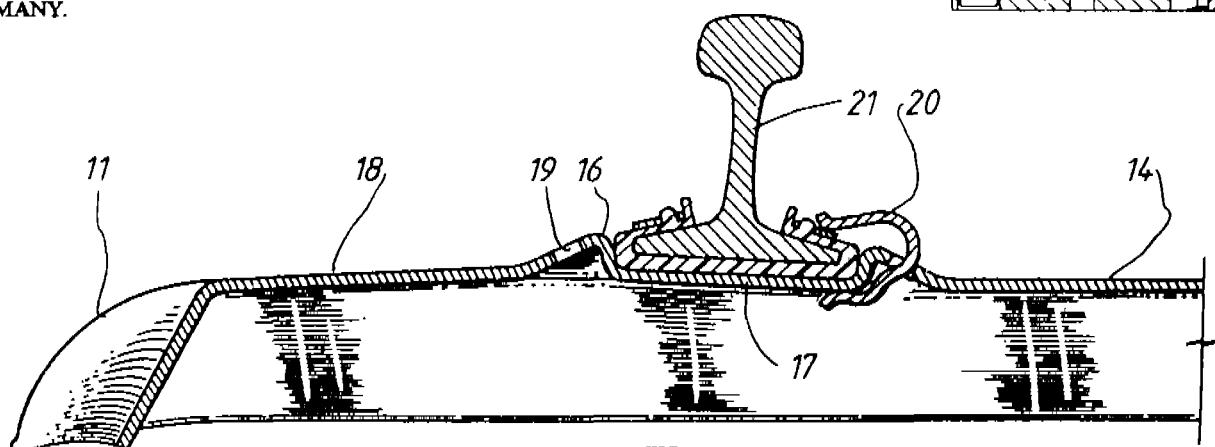
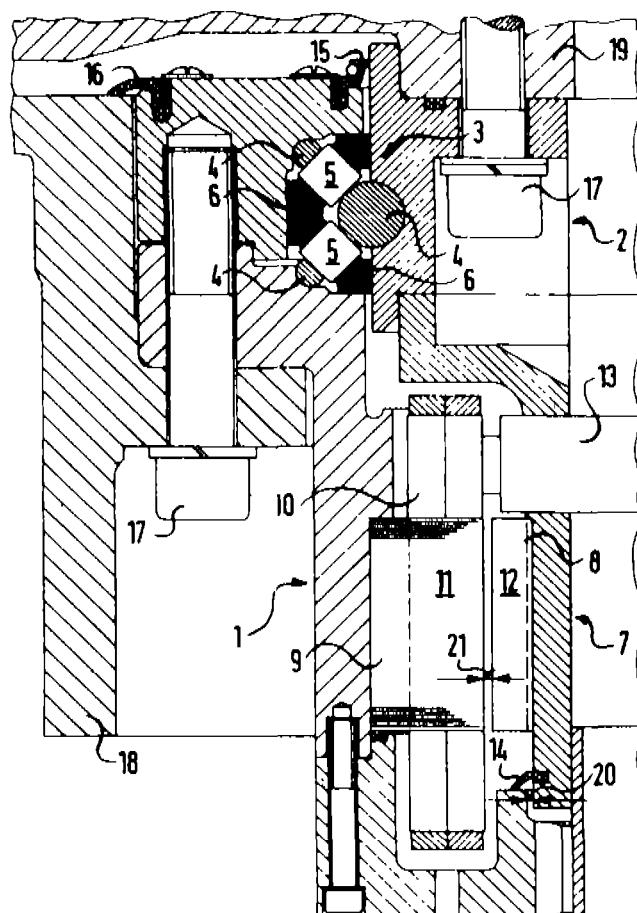


FIG. 5

Compl. Specn. 5 Pages

Drgs. 2 sheets.

CLASS : 88—F

166627

Int. Cl. : B 01 d 47.00; 53/14.

**A PROCESS FOR OBTAINING A STREAM OF NON-ACID GAS SUBSTANTIALLY FREE FROM ACID GAS WITH WHICH IT IS MIXED.**

Applicant: NORTON COMPANY, OF 1 NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors: (1) YUKIO KADONO, (2) MINORU MIYAGAWA, (3) TAKAHIKO NAKAI, (4) MINORU SAOTOME.

Application No. 379/Cal/1987 filed May 11, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for obtaining a stream of non-acid gas substantially free from acid gas with which it is mixed, comprising the steps of:

(a) contacting the mixed gas with a solvent so as to absorb said acid gas at an absorption pressure and/or temperature for said solvent as known *per se*;

(b) separating the resulting gas phase which is relatively depleted in said acid gas and the enriched solvent containing dissolved acid gas;

(c) reducing the gas pressure over the enriched solvent to a desorption pressure as known *per se* for said solvent, said desorption pressure being lower than the absorption pressure, and/or increasing the temperature of the enriched solvent to desorption temperature as known *per se* for said solvent, said desorption temperature being higher than the absorption temperature, whereby acid gas passes from the solvent phase into the gas phase;

(d) separating the desorbed acid gas from the solvent; and

(e) recycling desorbed solvent to extract more acid gas from a new quantity of the gas mixture.

wherein said solvent consists essentially of one or more compounds having the generic chemical formula.

$(\text{CH}_3)_2\text{CHO}-(\text{C}_2\text{H}_4\text{O})_x-\text{HC}(\text{CH}_3)_2$ , where x is an integer between 2 and 8.

Compl. specn. 17 Pages

Drgs. Nil.

CLASS :

166628

Int. Cl. : G 06 f 1/00.

**A MESSAGE PROCESSING SYSTEM.**

Applicant: HITACHI, LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: (1) KOZO NAKAI, (2) SHINJI HORI, (3) KINJI MORI, (4) KATSUMI KAWANO, (5) HIROKAZU KASASHIMA, (6) SETSUO KAWAMAMI.

Application No. 428/Cal/87 filed June 01, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A message processing system comprising a plurality of processing equipments connected to a common transmission medium each of said processing equipments having a structure and being in an arrangement such that it performs processing of a message received from said transmission medium independently from the other equipments and sends a result of the processing to the said transmission medium, in which:

each of said processing equipments has means for preparing an information data relative to an order of occurrence of a message being processed in the equipment and attaching said information data to said message being processed, means for storing therein information data relative to an order of occurrence of messages having been received from said transmission medium in the processing equipment, means for comparing an information data relative to an order of occurrence of a message being received from said transmission medium with those stored in said storing means, and means responsive to an output of said comparing means for determining execution of a processing operation; and

for at least one message, at least any two of said processing equipments are so arranged as to perform an identical processing operation so that the determination of execution of a processing in any one of the other processing equipments is based on a result of comparison of the information data relative to an order of occurrence of said at least one message subject to said identical processing operation with those stored in said any one of the other processing equipment.

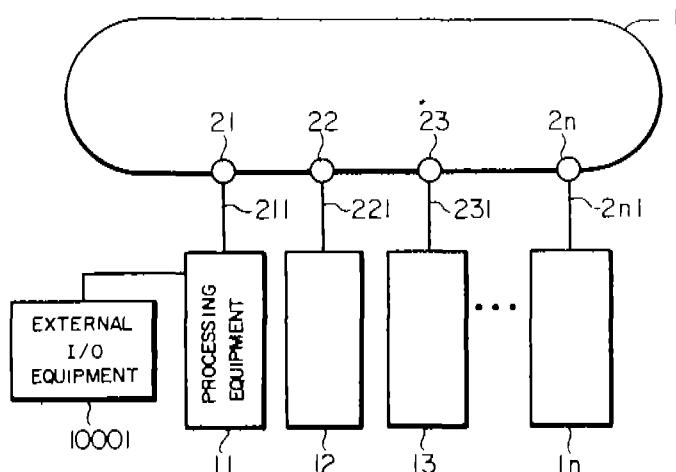


FIG. 2

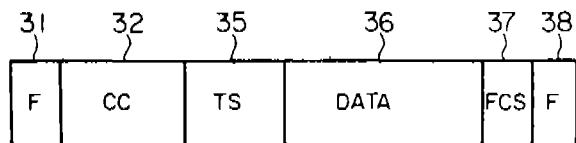


FIG. 3

Compl. Specn. 20 Pages.

Drgs. 6 Sheets.

CLASS : 146-C; 65-B2.

166629

Int. Cl. : G 01 k 13/00; 15/00 and  
G 01 d 5/00.

## TRANSFORMER LIFE CONSUMPTION INDICATOR.

Applicant : QUALITROL CORPORATION, OF 1385 FAIRPORT ROAD, FAIRPORT, NY 14450, U.S.A.

Inventor : RICHARD E. HAGERMAN.

Application No. 568/Cal/1987 filed July 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 1 Claim

A transformer life consumption indicator for indicating the consumption of expected life of devices whose life is dependent on temperature comprising temperature means for generating an electrical signal representative of the temperature of the transformer, time reference means, function generator means responsive to the said temperature means signal for generating an electrical output signal proportional to the antilog of the reciprocal of the absolute temperature, this output signal being proportional to the instantaneous life consumption, time reference means, consumption rate generator means responsive to the said time reference means and to the instantaneous life consumption signal from the said function generator means for generating a signal proportional to the consumption rate, consumption rate accumulator means responsive to the signal from the consumption rate generator for integrating the consumption rate generator signal to produce an output indication of actual life consumed, and display means for displaying an indication of actual life consumed.

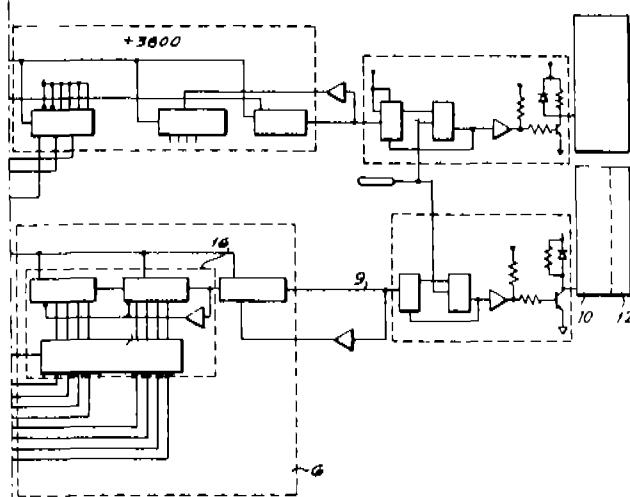


FIG. 2B

Compl. Specn. 12 Pages.

Drgs. 1 Sheet.

CLASS : 55-D2; 123.

166630

Int. Cl. : A 01 n 35/00.

A METHOD FOR PRODUCING A PREPARATION SUITABLE FOR BEING USED FOR CONTROLLING THE GROWTH AND PREVENTING GROWTH DISTURBANCES OF PLANTS.

Applicant : BIOFUTURA OY LTD., LANS ITULENTIE 8 C, 02210 ESPOO, FINLAND.

Inventors : OLAVI HUIKARI.

Application No. 20/Cal/88 filed January 08, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 7 Claims

A method for producing a composition suitable for controlling the growth of plants characterised in that a known nutrient mixture for the plants as herein described is mixed up with 8 to 40 percent of a protective agent for the phytochrome or its structural component as herein described; the phytochrome or its structural component is then added in the form of 0.2% solution in water to the extent of 8 to 12 per cent of the nutrient mixture and then 0.1 per cent of the mixture of an activating agent for the phytochrome as herein described is mixed up with the mixture to get the composition.

Compl. Specn. 14 Pages.

Drgs. 1 Sheet.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No 161677. Achal Anil Bakeri, adult, an Indian National, residing at 13th, Sadama Society, Navrangpura, Ahmedabad-380 009, Gujarat State, India. "Air Cooler" 5th December, 1989.

Class 3. No 161475. Ashu Enterprises, 311, Professor Colony, Near Patel Nagar, Indore-452 001. (M.P.) India, an Indian Proprietary firm, whose address is 311, Professor Colony, India, an Indian Nationality. "Meter Seal". 28th September, 1989.

Class 3. No. 161641. Modi Rubber Limited, an Indian company of Modinagar, Uttar Pradesh, India. a "Tyre for a Vehicle Wheel". 29th November, 1989.

Class 3. No. 161652 Interlego A.G., a Swiss company of Sihlbruggstrasse 3, CH-6340-Baar, Switzerland. "Toy Lion". 29th November, 1989.

Class 3. No. 161655. Interlego A.G., a Swiss company of Sihlbruggstrasse 3, CH-6340-Baar, Switzerland. "Toy Giraffe". 29th November, 1989.

Class 3. No. 161678. Achal Anil Bakeri, adult, an Indian National, residing at 13th, Sadama Society, Navrangpura, Ahmedabad-380 009, Gujarat State, India. "Air Cooler" 5th December, 1989.

Class 3. No 161680. Canon Kabushiki Kaisha, of 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, Japan, a Japanese Company. "A Toner case for copying machine". 6th December, 1989.

Class 3. No. 161828. Riche Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110 001, India and Indian sole Proprietorship concern. "TOY". 24th January, 1990.

Class 3. No. 161897. Achal Anil Bakeri, an Indian National, residing at 13th, Sadama Society, Navrangpura, Ahmedabad-380 009, Gujarat State, India. "Air Cooler" 20th February, 1990.

Class 12. No. 161823 & 161824. Riche Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110 001, India and Indian sole Proprietorship concern. "TOY". 26th January, 1990.

Class 12. No. 161827. Riche Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110 001, India and Indian sole Proprietorship concern. "TOY". 24th January, 1990.

*Copyright Extended for the Second Period of five years.*

Nos. 158422, 158421, 158420, 158419, 155569.

Class-1.

Nos. 159755, 155142, 155899, 160727.

Class-3.

*Copyright Extended for the Third Period of five years.*

Nos. 150033, 150060, 149174, 158422, 158421, 158420, 158419.

Class-1.

Nos. 149034, 150036, 159755, 160727.

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